U.S. Department of Energy's

Office of Science

Budget Planning Meeting

Office of Fusion Energy Sciences
Excellent Science Attractive Energy

www.ofes.fusion.doe.gov

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General Plasma Physics Program Supported at the DOE Laboratories (Lab 05-06)

- The program to fund General Plasma Physics at the DOE labs was last competed in 2000

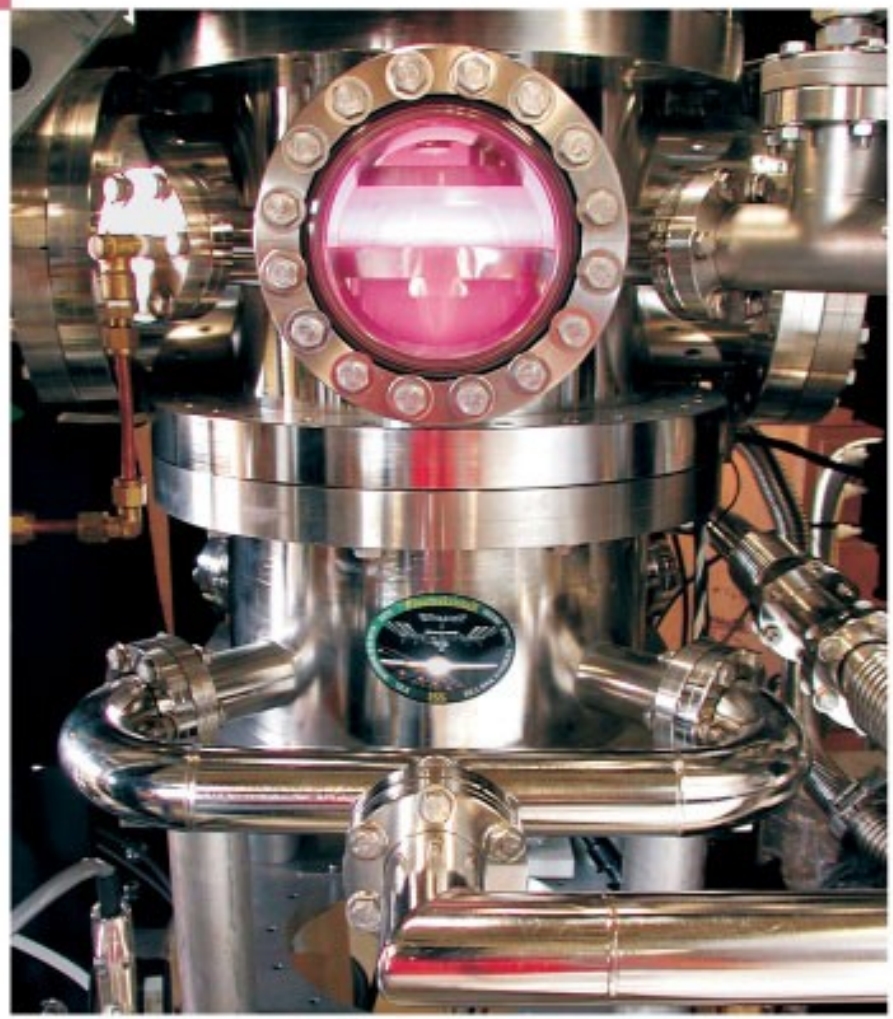
- The FY04 budget is a little over $2.5 million

  - The Program Announcement Lab 05-06 for "Opportunities in Basis Plasma Science" was posted on the SC-64 website on December 7, 2005

  - 20 applications were received at the end of February and we are preparing to send them out for review

JULY
2004

PHYSICS TODAY



Looking into dusty plasmas

NSF/DOE Partnership in Basic Plasma Science and Engineering

NSF/DOE Review:

- This year a panel review of the 38 grant applications that were submitted for NSF/DOE Partnership in Basic Plasma Science and Engineering was held at NSF Headquarters on March 7-8

- There is about 1 million dollars of joint funding available for this competition

- It looks like only the 6 applications in the "must fund" category of grants will be funded this year

- The Partnership's major competition will take place next year

- **Basic Plasma Science Facility (Large Plasma Device** [**LAPD**]) at UCLA will also be reviewed next year

Fusion Science Centers

- Federal Register Notice on August 15, 2003
- 14 Applications were received in November 2003 and Sent for Mail Peer Review
- Based upon Mail Review, 7 invitations for Final Applications were extended
- Final Applications were Due in March 2004 and will receive a combination of Mail and Panel Review
- Review Panel met at the American Geophysical Union, in Washington, DC on April 14 and 15
- Total Department of Energy funding for the two centers over their five-year duration is expected to be nearly $12 million
  - The University of Maryland and UCLA will jointly host a “Center for Multiscale Plasma Dynamics” using facilities at both of the schools
  - The University of Rochester will host the “Fusion Center for Extreme States of Matter and Fast Ignition Physics”

NSF Center for Magnetic Self-Organization (CMSO) in Laboratory and Astrophysical Plasmas

- Also included in this category is the funding of the DOE laboratory part of the NSF Center for Magnetic Self-Organization (CMSO) in Laboratory and Astrophysical Plasmas at the University of Wisconsin-Madison

- The DOE part of this NSF Physics Frontier Center is about half a million dollars which goes to PPPL and LLNL